

RANGE OVEN CONTROL SYSTEM

ABSTRACT OF THE DISCLOSURE

A control system for a an oven having at least one cooking element and a surface warmer includes a microprocessor, a memory, and a user input interface for user entry of cooking recipes including a cooking mode, an oven temperature, and a cooking time. Up to five favorite recipes can be stored in system memory for selection by a user, and two recipes can be combined for automatic sequential execution. The surface warmer is operable upon manipulation of two input selectors within a pre-determined time, and a preheat algorithm preheats the surface warmer by applying a 100% duty cycle to the surface warmer until an oven thermal limiter input switch reaches a predetermined temperature.